

NLRB ELECTION DETAILS ARE COMPLETED

Y-12er Passes Rugged Exam To Join Navy

Passing a stiff examination for a naval electronic technician, Wayne Groppe, a junior draftsman in the Y-12 Research Engineering Department, will terminate here this week and leave February 19 for Nashville to be sworn in as a sailor in Uncle Sam's Navy.

After formally entering the service at Nashville, Groppe expects to be assigned either to the Great Lakes Training Station or the naval base at San Diego, Cal., for boot training. After that an assignment to the Naval Air Corps is expected by the Y-12er.

Few Pass Stiff Examination

Groppe signed his first papers with the Navy in Knoxville on January 20 and took the electronic technician test the following Saturday.

According to Navy authorities in Knoxville only one out of every 20 applicants for naval service elect to take this examination and out of this number only one of 25 ever pass the stringent test.

Father Here Since 1943

Wayne Groppe is just 19 years old and is the son of Al Groppe, of the Field Maintenance Department. The younger Groppe came to work in Y-12 on June 1, 1950. His father has been a Y-12 employee since 1943. They live at 103 West Dalton Road.

The younger Groppe graduated from Oak Ridge High School in the class of 1949 and attended the University of Tennessee in Knoxville for one year, being a student in mechanical engineering.

Chemical Engineers Of Y-12 Invited To Knoxville Meeting

Y-12 members of the Knoxville-Oak Ridge Section of the American Institute of Chemical Engineers are invited to attend a meeting of the group to be held in Knoxville Thursday night, February 15. The organization will meet for dinner at the S. & W. Cafeteria at 6:30 o'clock, with the business meeting to follow at 7:30 o'clock.

M. Roy Sheen, Jr., president of the Mellon Roy Co., manufacturers of volume chemical pumps, Philadelphia, Pa., will be the principal speaker. His topic will be "Automatic Control of Liquid Flow With Controlled Volume Pumps."

Sheen founded the company with which he is connected in 1937, with his father. He has written about 30 technical articles.

SAFETY SCOREBOARD

Your Plant Has Operated One Day Without A Lost Time Accident Through February 9

All Eligible Y-12ers Expected To Participate; Voting Will Be By Secret Ballot To Make Choice

Issue Is Whether Y-12ers Wish To Give Up Freedom Of Handling Relations With Plant Management Or Entrust Them To Outsiders

In the National Labor Relations Board election to be conducted among employees at Y-12 this week, it is expected that every eligible employee at the Y-12 site will avail himself of the opportunity to vote so that the election result will represent the free choice of all the employees.

In other words—"Be sure to vote."

The voting will be by secret ballot and no one but the individual employee casting his ballot will know how he voted. Each employee qualified to participate in the election must decide for himself what is best for his welfare, then vote accordingly.

Moral Responsibility To Vote

It is stressed that those eligible employees who vote will make the decision for all employees in the bargaining unit. If the majority of the eligible employees vote to be represented by one of the unions, that union will represent all employees in the bargaining unit. Therefore, it is the moral responsibility of every eligible employee to make his own free choice in this important election.

The policy at Y-12 has always been to be absolutely fair with all employees and to respect their rights as individuals. It is the established practice of this plant to employ persons without regard to whether they are or are not members of a labor union and to treat all employees impartially in every respect.

Whether or not an employee eligible to vote in the election is a past or present member of a labor union, has filed application for membership, or has signed an authorization card, he is free to vote for either of the two unions whose names will be on the ballot or for "Neither."

Company Interested In Welfare

The Company is vitally interested in the welfare of every employee. This is indicated by the generous employee benefit plans and other employment conditions which the Company has voluntarily made available and the pleasant and satisfactory day by day relationship between employees and Supervision. Regardless of the outcome of the election, Y-12 employees can expect that the Company will continue to be vitally interested in their welfare.

A large number of the employees at Y-12 have been here since 1943. The direct day by day relationship has built up a feeling of friendship and mutual trust between the employees and their supervisors. In the election this week each of the competing labor organizations is asking that Y-12 employees give up this highly agreeable and satisfactory manner of dealing with Plant Management and substitute for it a system whereby an outside third party injects itself into their affairs.

The fundamental issue to be decided by the voters is simply this—whether the employees of Y-12 desire to surrender their individual freedom as employees and en-

Polling Places and Voting Hours Designated; Y-12ers Will Choose Between Two Unions Or 'Neither'

National Labor Relations Board Notices Giving Information On Election Will Go To All Employees At Y-12 Eligible To Vote

Details of the election to be held on Tuesday, Wednesday and Thursday of this week, February 13, 14 and 15, among employees at Y-12 by the National Labor Relations Board have been announced by George S. Slyer, field examiner of that agency. Official notices have been posted throughout the plant by the National Labor Relations Board giving information on the election.

This election will give Y-12 employees eligible to vote an opportunity to determine if they wish to continue the direct relationship which has prevailed between employees and the

Company through Supervision, or if they wish to be represented by either one of two unions in collective bargaining on wages, hours and conditions of employment.

Four polling places have been provided for the election, located as follows:

No. 1—Bldg. 9753, on A Road near East Portal.

No. 2—Bldg. 9711-3, just off Bitumin Drive, south of First Street near Steam Plant No. 1.

No. 3—Bldg. 9723-12, Y-12 check cashing facility on First Street, across from the cafeteria.

No. 4—Bldg. 9701-3, West Portal, entering from within the plant.

All polling places will be open on each voting day from 6 a. m. to 10:30 a. m. and from 1:30 p. m. to 6 p. m.

Every employee eligible to vote in the election had attached to his time card for the week of February 12 a supplemental National Labor Relations Board notice giving information as to which polling place the employee is to vote and the time to vote if he desires to vote on Company time.

May Vote At Any Time

Examiner Slyer emphasized, however, that an employee may cast his ballot at any time the polls are open, provided only that he vote at the proper polling place designated in the National Labor Relations Board supplemental notice.

Mr. Slyer will be available at Telephone 7955 all day Monday, February 12, and throughout the election period. He has invited all employees at Y-12 having any question concerning the election or concerning his eligibility to vote to communicate with him.

The choice to be made by the eligible Y-12 voters will be from among the following:

Atomic Trades and Labor Council and its affiliated unions, including Lodge No. 480, International Association of Machinists, A. F. of L.

United Gas, Coke and Chemical Workers of America, CIO.

Neither.

AEC AIDS NEW YORK

William Kelly, manager of the New York Operations Office of the Atomic Energy Commission, is aiding the city in preparing training courses for volunteer civil defense workers, according to the New York Times.

NLRB Designates Employees Eligible To Vote In Election

Y-12 employees designated by the National Labor Relations Board as eligible to vote in the election here this week include:

All production, maintenance and service employees at the Y-12 site, including electrical dispatchers, equipment dispatchers, property inventory clerks, sales store employees, glass-blowers, shipping and receiving clerks and maintenance

employees on the payroll of the Oak Ridge National Laboratory (X-10) but excluding assay analysts, junior assay analysts, assistant steam plant engineers, office clerical employees, technical employees, professional employees, guards and supervision as defined in the National Labor Relations Act.

In effect, this includes all employees paid on the hourly roll at Y-12 and including hourly roll personnel in the biology area and excluding all weekly and monthly salaried personnel, except those specifically mentioned above. Reference to sales store employees is simply to clarify the fact that Y-12 employees on the hourly roll or in the designated weekly roll classifications who work at Elza are included.

Employees in the classifications listed will be eligible to vote if on the payroll on January 21. A list of employees eligible to vote is posted on the plant bulletin boards.

Y-12ers Invited To Attend Physics Seminar Meeting

All Y-12 scientific and technical personnel are invited to the weekly meeting of the Oak Ridge Physics Seminar at 4 o'clock Friday afternoon, February 16, in the East Lounge of the Ridge Recreation Hall.

Dr. J. L. Fowler, of the Oak Ridge National Laboratory, will speak on "Neutron Reactions At 27 MEV."

YOUTH GOES ATOMIC

Atomic research and jet propulsion easily outdistanced law and medicine as fields of interests among boys choosing careers, it is declared by Oscar Katov in the Chicago Sun Times. His article followed a meeting of the Career Conference in Chicago.

trust the handling of their relations with Plant Management to either of the rival labor organizations.

Carbide Wives Set Monthly Card Party On February 21

The monthly card party of the Carbide Wives will be held at 7:30 o'clock Wednesday night, February 21, in the East Lounge of Ridge Recreation Hall. Canasta, bridge and rummy will be played and all wives of Y-12 employees are invited to attend the meeting. Mrs. Fred Sexton, wife of a Y-12 employee, is president of the group.

Hostesses for the February 21 meeting will include Mesdames L. G. Overholser and George Strasser, both wives of Y-12ers; John Turner, J. S. Tuttle, D. L. Knowles, Robert Widing, E. J. Johnson and M. S. Ginsbury.

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W. T. Ward Recalled To Service As Air Force Lieutenant

William T. Ward, of the Y-12 Isotope Research and Production Division, left February 8 for Maxwell Field, Ala., to undergo processing for recall to duty in the United States Air Force Reserve. Ward holds a commission as first lieutenant in the Air Force Reserve.

After a month or so of processing, Lieutenant Ward will be assigned as liaison officer of the Special Weapons Command unit in Oak Ridge. In this capacity he will be stationed at Kirtland Field, N. M., a Special Weapons Command base.

Ward came to work in Y-12 on September 2, 1947. He, his wife, and two children, live at 144 Oak Road, Norris, Tenn. The lieutenant is 28 years old.

Assistance Sought For Music Library To Serve Ridgers

The Music Section of the Woman's Club is designating the month of February as "Music Library" month, with the aim of getting a music and record lending library started in the Oak Ridge Public Library. Mrs. Elmer Ely is chairman of this project, and anyone wishing to help is invited to telephone her at 5-7371.

Everyone in Oak Ridge will be contacted, and contributions of music, records, music literature as well as money will be accepted. A board to choose what records or music to buy for the library will be made up of six members; a private music teacher, a public school music teacher, and an Oak Ridge Symphony Orchestra member, a member of the Community Chorus, a member of the Music Section, and Miss Minnie Duncan, of the library.

Many musicians have wished for a long time that a library of records and music were available here in Oak Ridge, since it is impossible for one person to have a complete collection of either music or records, or books about music.

Anyone who cannot get to the Oak Ridge Public Library with their contributions can telephone Mrs. David Mahagan, at 5-3604; Mrs. Joseph Ruzicka, at 5-4959; or Mrs. Loren O. Wetzell, at 5-4091 for pickup service.

duPont Spends \$390,400 For 'Knowledge Stockpile'

The E. I. duPont de Nemours and Co. has announced an award of 78 post graduate and post doctoral fellowships to 47 universities and grants-in-aid to 10 universities. The New York Herald Tribune, in announcing the awards said the company is making an outlay of \$390,400 to provide a "stockpile" of knowledge through advancement of basic research.



There were a lot of proud Y-12 dads—too numerous to count exactly—with their Boy Scout sons at the Father and Son banquet held last week in connection with observance of Boy Scout Week.

The Plant Engineering Department wishes to welcome W. T. Clark, Jr., to the roster; and a hearty welcome to Carl Becker who has been on the sick list for some time.

Congratulations are extended to John Googin, of the Chemical Department, and to his wife, Janet, a former Y-12er, who are the proud parents of a baby girl, born on January 29, at the Oak Ridge Hospital. . . . The department members also welcome Irene Posey and Raymond Young, back after extended illnesses. . . . Sympathy is extended to T. B. Croley at the recent loss of his brother in Kentucky. . . . Get-well wishes are extended to D. W. Davis, who is in the Oak Ridge Hospital. . . . Also congratulations are extended to James A. O'Barr and his wife who are the proud parents of a baby boy.

The folks in the Receiving and Shipping extend get-well wishes to Jack Garland.

The Tools Department extends sympathy to Barbara Spoon and her sister, Mildred, of the Product Chemical Department, at the death of their aunt last week in Lenoir City.

G. L. Unthank, of the Stores Department, is vacationing around home in Oak Ridge this week. . . . Congratulations are extended to R. C. McGuffin, who is the proud papa of a baby girl, Anita Gayle, who was born in a Harriman hospital on January 20. . . . The department welcomes Imogene Williams and Betty Leonard to the roster.

E. G. Struxness, of the Health Physics and Hygiene Department, attended a meeting in Pittsburgh, Pa., Monday and Tuesday of last week.

Clarence Johnson, of Safety, and his wife, Elizabeth, of the Product Chemical Department, have her mother from Starkville, Miss., as guest for a few weeks. . . . P. C. Ziemke, his wife and their son, Myron, spent a recent week end with friends in Chattanooga, and Signal Mountain.

The folks in the Materials Lab., of the Stable Isotope Research and Production Division, extend a welcome to Dr. T. N. McVay, who will be with them until September. Dr. McVay is head of the Ceramic Department at the University of Alabama. . . . also Fred Boody's co-workers are missing him since he left them and transferred to the Oak Ridge National Laboratory. . . . Dr. C. P. Keim spoke to the women's groups of the Oak Ridge First Methodist Church last week on the church building program.

The Employee Relations Department welcomes Ernestine Hudson to the roster.

Congratulations are being extended to Charlie Kasperek, of the General Maintenance Offices, at the birth of a baby girl on February 7 at the Oak Ridge Hospital.

The Analytical Laboratory Department extends get-well wishes to Wanda Anderson and to R. O. Kendall. . . . Also to Coleen Lockmiller's little boy, Randy, who is ill.

According to the folks who set those "special" weeks and period of observance from time to time during the year—the February 12-22 stretch is for the observance of Americanism and all it stands for. Appropriately it begins with the birthday of Abraham Lincoln and extends through the natal date of George Washington, two great presidents and leaders of the nation. Then National Security Week, most aptly, is observed February 13-20—and who should be more interested in the security of the nation than the spirits of Lin-



6-2332
FELLOW EMPLOYEES OF MISS RELLA MURR, OF PRODUCTS CHEMICAL, AND OTHER friends gave her a crystal shower on the night of Sunday, February 4. Miss Murr will be married in June. Guests at the affair, pictured above, are standing, from left, Mattye May, Sylvia Hatmaker, Dell Walker, Ruth Hounshell, Dennie Williams, Martha Beals, Barbara Bagwell, Dora Bagwell, Mary Hickman and Miss Murr. Seated are Ruby Jones, Mable Stapleton, Lucy Townsend, Margaret Carter and Jeanette Arnold. Hostesses were Jeanette Arnold, Margaret Carter, Sylvia Hatmaker, Martha Beals, Mattye May and Mary Hickman.

Cellist To Feature Symphony Orchestra Concert On Tuesday

The fourth concert of the seventh season by the Oak Ridge Symphony Orchestra under Conductor Waldo Cohn will be presented on Tuesday, February 13, at 8 p. m., in the high school auditorium. Gregory Bemko, cellist, one of the most promising younger musicians in the United States, will be guest artist featured with the orchestra in Lalo's "Cello Concerto."

Since this concert was originally scheduled for February 19, all ORCMA members and others interested are asked to note the date change.

Besides the "Cello Concerto," music to be played will include Wagner's Introduction to Act III, "Die Meistersinger"; Grainger's "Danish Suite" (played last year and repeated because of popular demand) and Vivaldi's "Concerto in D Minor."

Three local musicians will share the spotlight with Bemko. Percy Grainger's "Danish Suite" calls for two pianists and an organist with the orchestra. Alice Lyman, concert master of the orchestra, and Jane (Mrs. David) Johnson, Community Chorus accompanist, will be at the piano. The orchestra's official pianist, Georgellen (Mrs. Clarence) Schuske, wife of a Y-12 employee, will play the organ part of this selection.

Employees and wives of employees of Y-12 who are members of the Oak Ridge Symphony Orchestra, are Mrs. W. G. Bouricius, Mrs. Schuske, Mrs. F. T. Howard, John Ramsey, Harold Greene, Harry Bainbridge, George Leichsenring and Richard Harrison.



Two Y-12ers were listed as parents of babies born at the Oak Ridge Hospital last week. They were Charles R. Kasperek, General Maintenance Office, who became father of a daughter born February 7; and William D. Schultz, Assay Laboratory, who became father of a son born February 6.

coln and Washington—and every single patriotic citizen of these United States. Think it over, folks.



Y-12 Photo By Vince Moore
APPROPRIATE AS Y-12's "1951 VALENTINE GIRL" IS MISS Rella Murr, above, of the Products Chemical Department. Miss Murr, who will become a June bride, was honoree at a shower, shown in the top picture.

Error In Groom's Name In Thomas-Kidd Wedding

Through error in transcription of notes the name of the groom in a marriage story in The Bulletin last week the name of the groom was given as Herbert F. Kidd instead of Joe W. Kidd. Herbert F. Kidd is father of Joe W. Kidd, who was married on February 1, to Miss Betty Thomas, daughter of S. F. Thomas, of the Y-12 Property Sales Department. Joe W. Kidd is a brother of June Messer, another Y-12 employee.

REPORTS SAID RECEIVED

The Cleveland Plain Dealer reports that an unidentified informant says that the United States and Great Britain are getting reports of atomic energy studies carried out in Argentina by German scientists. The informant declares that the reports are sent to American and British authorities because the Argentina air force is unable to put into practice many of the investigation results.



The following Y-12 employees were patients in the Oak Ridge Hospital last week: William G. Vann, Stores; Dennis W. Davis, Chemical; Edwin D. Harvey and George C. Everett, Field Maintenance; George W. Oliphant, Electrical Maintenance; Margaret E. Wilson, Uranium Control and Computing; Kenneth E. Caughron and Charles J. Beckett, Utilities Maintenance.

CARTRIDGE CLEANS DRAINS

Handling Devices Co., of Boston, Mass., has devised a cartridge with which to clear clogged drains, according to the National Patent Council. It is similar to the kind used to make soda water. A rubber seal covers the opening as the cartridge explodes and blows obstructions down and out.



A PAIR OF POTENT PIN POUNDING TEAMS IN THE B LEAGUE—THE BUMPERS AND Bums—are pictured above. Seated are the Bumpers, from left, Avery Kendig, E. B. Galloway, A. V. Arms, Elmer Green and E. I. Scott. The Bums, standing, are Jim White, J. M. Schmidt, Bill Ward, Dave Crouse and Les Jenkins. The Bumpers bumped the Bums last week.

Middle Teams Win To Tighten D Race

The middle teams in the D League of plant bowlers turned in substantial margins of victory last week to tighten up the race in that circuit. The two top teams of the previous week, Isotopes and Pick Ups, both were blasted but the Isotopes backed into the league by losing only three points to the Strikers while the Old Men were shutting out the Pick Ups by four points.

The other triumphs were registered by the Angstroms over the Cermets and Splinters over the Toppers. Both of these were by the whitewash route.

The Strikers, winners of the first half of the season, continued their upward climb after a slow start in the second half as a result of some top scores by Frank Gragg. Gragg had the second best scratch game of the second half with a 222 and surged on to get the top second half scores with his 616 scratch series, boosted to 664 with handicap. Lew Twitchell, of the Angstroms, got into the act with a 239 handicap game.

The Strikers and Angstroms divided team scoring honors. The Strikers came through with the best scratch scores with a 849 game and 2,479 series. The Angstroms posted a handicap game of 996 and a handicap series of 2,884.

League standing follows:

Team	W	L	Team	W	L
Isotopes	16	8	Angstroms	12	12
Pick Ups	15	9	Splinters	11	13
Strikers	13	11	Cermets	10	14
Old Men	13	11	Toppers	6	18

Rifle Team Of Y-12 Drops First Match To NEPA Team

The Y-12 riflemen lost their first match of the 1951 season to the NEPA team by a score of 1,431 to 1,433 at the ORSA indoor range. The course of fire consisted of 10 shots in each of three positions—prone, sitting, and standing—from .22 caliber rifles equipped with iron sights.

Twelve men were qualified to shoot and the five high scoring marksmen on the team turned in the following handicap scores. H. C. Hoy, 288.1; T. O. Niemeyer, 286.7; W. K. Prater, 286.3; W. R. Rathcamp, 285.7; and C. W. Frazier, 283.9. Rathcamp shot the high scratch score of the match with a 274 out of a possible 300.

In their next match the Y-12ers meet K-25 on February 12 at 7 p. m. Anyone interested in qualifying for the remaining matches should contact Bill Bell at 7533 or Bill Rathcamp at 7426.

Y-12 SPORTS NEWS



6-2293 THE STRIKERS, CHAMPIONS OF THE FIRST HALF OF THE season in the D League, are pictured above. Standing at left is Frank Gragg. Seated, from left, are Fred Kappelmann, Bill Burns and Paul Petrezky. Standing in the rear is G. D. Whitman, captain of the team. The Strikers got a slow start in the second half of the schedule, but are slowly climbing toward the top.

Cardinals Lose To K-25, Central Teams; Robins Blow Lead In Tie With Bluebirds

That two-game winning streak of the Y-12 Cardinals apparently was too much prosperity for the plant cagers as they turned around and dropped a pair of Oak Ridge City League contests last week. The Cards were due to wind up their league season on Monday night of this week against the Oak Ridge National Laboratory quintet.

The Cards got bumped off by the K-25 Kagers by 52 to 38 and then took a 68 to 40 trimming at the hands of the Central Service Station. In both games the opposition got the jump on the red and white and stayed out in front

all the way. Charley Kirkwood was the top scorer for the Cards in both games with nine against K-25 and 12 against the Central outfit. The Cards sadly missed Jack Garrett, who was unable to be present for either encounter.

In a preliminary to the Y-12-Central game the Y-12 Robins and K-25 Bluebirds played to a 36-36 tie, the game being called by agreement to allow the men's game to start. The Robins got away to a 7 to 0 lead in the first quarter and held a 16 to 12 advantage at half-time. Then the K-25 lassies got busy and whittled the lead down to the ultimate tie.

The Robins were to have met the Athens, Tenn., women's team last Saturday night.

Discards Deal Loss To Y-12 Women's Varsity Keglerettes

The Discards bowling team in the Oak Ridge Women's City league dealt out a two out of three games defeat to the Y-12 lassies last Thursday night. The Discards posted 721, 688, 662—2,071 to 670, 677, 726—2,073 for Y-12.

Betty Whitehorn paced the Y-12ers with 139, 129, 179—447; and was followed in order by Juanita Reed 139, 156, 134—429; Margaret O'Neal 163, 117, 132—412; Olyne Kappelmann 126, 144, 128—398.

Y-12, Lab Badminton Teams Divide Abbreviated Contest

By previous arrangements, the Y-12 and Oak Ridge National Laboratory badminton teams played only four of 11 scheduled matches last week, breaking even with two victories each. The remaining seven matches will be played at a mutually agreeable date to be set later.

Plant Bowling Tourney Seen Finest In History Of Event

Judging by the number of entries being received last week for the Y-12 Plant Bowling Tournament, the annual event to be staged next Saturday and Sunday, February 24 and 25, at the Oak Terrace will be one of the best in the history of the plant.

In addition to substantial prize money in various events, the Y-12 keggers will be gunning for a total of 42 fine trophies to be awarded winners in teams, doubles and singles events as well as high scorers in the tournament. The prize money distribution is arranged so that approximately one out of four entrants will earn a cash award.

The schedule for the event will be drawn early this week by Recreation Supervisor Arnold Tiller and will be published in next week's edition of The Bulletin as well as being distributed throughout the plant.

The 42 trophies will be distributed as follows:

One to each member of the first and second place teams in both scratch and handicap scoring.

One for each member of the first and second place doubles team, both scratch and handicap.

One each for the top series scorer and second place in scratch and handicap.

One each for leading and second place scorers in all events, scratch and handicap.

One for the best single game and second best game in any event.

Short Circuits Close Gap In C Bowling Loop

The Short Circuits shortened the margin between themselves and the first place Hooks in the C League last week by skinning the Thin Pins for a four-point whitewash win while the loop leaders were taking the Orphans for only three counters. In other engagements the Hurricanes blew over the Moles and the Guards stung the Hornets each victory being by three points.

In chalking up their shutout win, the Short Circuits put a pair of new marks on the record books for the second half of the season with a handicap game of 1,046 and a handicap series of 2,956. Their 827 scratch game and 2,299 scratch series were tops for the night.

Despite their sweep of team scoring honors, none of the Short Circuits rated mention as top individual scorers for the night. R. G. Reinhardt, of the Hooks, had a 208 for best scratch game and tied with V. Arms, a teammate, for best scratch series with 511. Arms and Ralph Ford, of the Hurricanes, deadlocked for the best handicap series of 622 and Bill Miller, of the Moles, came through with a 244 handicap game for best of the night.

League standing follows:

Team	W	L	Team	W	L
Hooks	20	8	Hornets	14	14
Short Circuits	18	10	Hurricanes	14	14
Orphans	15	13	Guards	11	17
Thin Pins	14	14	Moles	6	22

NEPA Keglers Wallop Y-12 Gragg Tops Losing Cause

The NEPA keggers from down Fairchild way zipped past the Y-12 men's varsity bowling team like a nuclear-powered airplane on Monday night, February 5. The NEPA pinmen took two out of three games and total pinnage for three points with game scores of 843, 893, 865—2,601 to 769, 923, 855—2,547 for Y-12.

Frank Gragg was 50 pins better than any of the other Y-12ers on that night, rolling 195, 200, 193 for 589. Then came Nelson Tibbatts 163, 166, 210—539; Conrad Roberts 157, 170, 149—476; Ernie Cobble 127, 170, 178—475; and Elmore Koons 127, 217, 124—468.

Diplomacy: The art of cutting a man's throat without using a knife.

Rippers Roll To Tie All Stars For Honors

Closing with a rush, the Rippers bowling team of the B League almost repeated their feat of the first third of the season when last Thursday night they pushed to a tie for first place with the All Stars. On the last night of the first period of play the Rippers took first place with a last minute surge.

The Rippers won their tie with a whitewash victory over the Cubs while the All Stars were splitting even with the Head Pins. The two leaders will stage a roll off later to determine the championship of the second period of play.

In other matches last week the Wolves took three from the Comets, the Wasps blanked the Tigers for four, the Bumpers bumped the Bums and Maintenance took the One-91 team, the latter two tilts being by a three-point margin.

Ernie Cobble, of the Wolves, had the best scratch game of 224 and Wayne Groppe the top handicap game of 250. Roy Roberts, of the Comets, had the top series scores of the night with a 602 scratch, boosted to 638 with handicap.

The Wolves had the best team series scores, a 2,536 scratch and 2,944 handicap effort. The Rippers posted a 889 scratch game for tops and were tied with the Bumpers at 1,008 for the best handicap game.

League standing at the end of the second period of play follows:

Team	W	L	Team	W	L
All Stars	29	15	Comets	21	23
Rippers	29	15	Wasps	21	23
Wolves	28	16	Bumpers	19	25
Head Pins	25	19	Cubs	16	28
Bums	23	21	One-91	16	28
Tigers	21	23	Maintenance	16	28

Kemps, Cracker Jax Again Tied For Top In W League Race

The Kemps and Cracker Jax continued their red hot race in the W League last week, being tied for top spot on the ladder at the end of alley activities February 6. Bunched in a three-way tie for second place, but seven games back of the leaders, were three other teams, the Woes, Controllers and Hi Balls. The newest team in the circuit, the Mix-Ups, were in the cellar.

The Hi Balls rudely upset the previously league-leading Kemps for a three-game whitewash triumph and this defeat, coupled with a two out of three win by the Cracker Jax over the Mix Ups, brought about the tie for first place. The Controllers further complicated the situation by bumping the Woes for two games to result in the three-day deadlock for second place.

Ruth Law had a good night in scoring, tying with Ann Matlock of the Woes, with a 170 scratch game. Miss Law went on to lead the second half of the season with a 497 scratch series, boosted to 641 with handicap, the highest for the entire season. Mrs. Matlock tied the best record of the second half with a 225 handicap game.

The Controllers took most team scoring honors for the session with a 690 scratch series and 2,822 handicap series. They almost made a clean sweep, but the Woes posted a 978 handicap game for best of the period, just two pins ahead of the Controllers.

League standing follows:

Team	W	L	Team	W	L
Kemps	14	4	Controllers	7	11
Cracker Jax	14	4	Hi Balls	7	11
Woes	7	11	Mix Ups	3	13

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WHILE EVERY CONSIDERATION SHOULD BE GIVEN sweethearts on Valentine Day, an overabundance of conversation is not advised for the occasion—particularly if it concerns what is going on around Y-12 or any other atomic energy installation in the country. After all—there are many more important things to talk over with the girl friend, aren't there? So—for Security's sake, watch the gabfest.

Camera Club To Hear Talk By U-T Teacher

Mrs. Mary Charlton, associate professor of the related arts and crafts section of the College of Home Economics of the University of Tennessee, will give an illustrated lecture on still life and table top photography at a meeting of the Carbide Camera Club Tuesday night, February 13. The meeting will be held at 7:30 p. m. in the club headquarters, Y-12 East Portal building.

Mrs. Charlton will explain composition, lighting and set-up techniques. She also will judge a contest on still life photography to be staged by club members.

Winning prints in the contest will be exhibited in the photographic shop of Loveman's store in Oak Ridge. J. D. Foster, manager of the photographic shop of Loveman's; and Bert Thompson, of the Snap Shop, Knoxville; will donate prizes for this and other competitions to be staged by the club this year.

During the period from February 13 to March 13 Joseph Lundholm, of the Oak Ridge National Laboratory and president of the Carbide Camera Club this year, will be custodian of the club's dark room. Reservations may be made by members wishing to use the facilities of the dark room by telephoning Lundholm at his office number, 6342; or at home, 5-6538.

Former Y-12er Heads Editors; Vince Moore Talks On Photos

James A. Seat, news editor of the TEC Bulletin, predecessor of The Y-12 Bulletin under the Tennessee Eastman Corporation regime in Y-12, was elected president of the Appalachian Industrial Publications at a meeting of the industrial editors in Knoxville Monday night, February 5. He succeeds Joseph B. Riordan, editor of the Carbide Courier, publication at the K-25 Plant, who served as president during the past year.

Seat now is news editor of the TEC News, publication of the Tennessee Eastman plant at Kingsport, Tenn.

Vince Moore, Y-12 photographer, discussed photographic techniques and how better pictures can be obtained by cooperation between editors and photographers. He exhibited several outstanding pictures produced by the Y-12 Photographic Section and which have appeared in The Bulletin.

URANIUM SAVINGS SEEN

The Phoenix (Ariz.) Republic reports that Prof. Herman Oberth, a German scientist, claimed he has developed a new method of enabling a sensational saving of at least 75 per cent of uranium needed in construction of an atomic bomb. His claim is said to be based on a new method for derivation of heavy water from ordinary water.

New Research Center Of Carbide At South Charleston Is Called 'Pumping Station' For Production 'Pipe Line' Serving Plants

Modern Facilities Aid Scientists Contribute To Standards Of Living

The time is any hour, the day is everyday, the place is Carbide. In Texas City, Tex., a valve is turned and a barge slowly settles in water as a thick stream of ethylene glycol pours into one of its deep tanks. In Whiting, Ind., a switch is thrown and a conveyor belt rumbles as cases of "Prestone" anti-freeze are shunted toward a waiting truck. At Institute, W. Va., a man clambers to the roof of a tank car, slides a hose nozzle into an open tank top, and a flood of styrene pours into the car. Seven miles away, at South Charleston, a covered hopper car waits beside a loading platform to take on a shipment of "Vinylite" resins. Hundreds of miles away, at Carteret, N. J., a driver guns the motor of his tank truck as he backs it into position to load it with methanol.

These are the shipping departments of the production plants of Carbide and Carbon Chemicals Division, Union Carbide and Carbon Corporation. From these plants at South Charleston, Texas City, Institute, and Whiting, and from the shipping terminal in Carteret, Carbide products stream out to consumers, other UCC plants, and to our many customer plants. This is the Carbide production "pipe line" and it is vital to us, but an important part of this "pipe line" is frequently overlooked. The part overlooked is the research "pumping station" on the "line."

Work On New Products

The Carbide "pumping station" is the Research Center located high on a hill above the plant at South Charleston. It is a cluster of new brick and steel buildings, and in them a group of researchers are constantly working on new products and processes. This is a recent home for the researchers. Just a year or so ago they were quartered on Blaine Island in the South Charleston plant, and 30 years ago—when Carbide was getting its start—they were part of the tight little bundle of research, development, and production on 10 bumpy acres in the tiny West Virginia mountain town of Clendenin.

The growth of research, its move to larger and larger quarters, is matched by the growth of Carbide. There is good reason for this because research is the reason that Carbide has grown. Along the "pipe line" thousands of men and women are employed. Their jobs were made for them by research, which has been the "pumping station" of the Carbide "pipe line" from the start.

Scientists Keep Carbide Ahead

In addition to jobs, Carbide research has made great contributions to America's standard of living. Some of its new chemicals have also created industries. Finally, Carbide researchers have kept us up in front in the highly competitive chemical industry.

On the hill above South Charleston, several of the buildings are service buildings. There are a 40,000 pound per hour steam plant, a cooling tower, and a maintenance and an equipment fabricating shop. In the three-story T-shaped main building there are also offices, a large library, and a 125-seat auditorium. A large-scale laboratory and high-pressure laboratories are also part of the center. But the important parts of the center are the individual laboratory areas.

69 Laboratories Provided

There are 69 of these small laboratory areas. They come in three widths—13, 26, and 39 feet—for easy handling of all types of problems. The laboratories are all 24 feet deep, and are equipped with standard laboratory furniture. Above the work benches are facilities for 14 different services rang-



THIS IS AN ARTIST'S DRAWING OF THE NEW RESEARCH Center of Carbide and Carbon Division, Union Carbide and Carbon Corporation, at South Charleston, W. Va. In the foreground is the main building that contains individual laboratories, the starting point of research.

ing from hydrogen to steam at 15 or 200 pounds per square inch pressure.

Team work is stressed and in the small laboratory areas two or three researchers generally work together. The problems they work on are extremely varied. They range from new chemicals, or synthetic fibers, to a new means for making a chemical that has been coming off the production "line" for years.

Where do the problems come from? Many come from the sales force. A salesman, visiting the office of a customer, might be told that the customer would like to find a chemical that can do this and this and this, and still not do this and this and this. The salesman relays the information to research with the question: Can it be done?

Problem Thoroughly Studied

A research group then examines the problem from all sides, and then tries to come up with a new combination of molecular building blocks that will do the job. Sometimes it can be done, and sometimes it cannot.

Then again, a researcher might recognize a need for a particular product or chemical, and start a project to see if it can be made. Occasionally such hunts end in

the discovery of some new chemical, and at other times they result in the needed chemical or product being found. Of course, sometimes they end with nothing at all.

The results, or successes, of Carbide researchers are not always apparent to the general public. For example, there is one chemical that research has turned up which is now being produced in hundred million-pound quantities every year. But the public never sees this chemical, for when it reaches them it has lost its identity in several products. This particular chemical is ethylene oxide.

Successes Are Well Known

Many of research's successes are well known, however. A partial list of recent ones could include "Vinylite" plastic resins, the butadiene process for the development of synthetic rubber, "Vinyon" fibers and dynel, and many more. Decorations from technical societies, too, have been heaped on Carbide researchers, including such awards as the Perkins and Hyatt Awards.

These researchers, for the most part, are fairly young. Many of them came directly to Carbide from graduate schools and there is a serious earnestness about their work, because their jobs are vital.

Doctor Will Describe Chemistry Of Blood

Dr. R. B. Bigelow, surgeon at the Oak Ridge Hospital, will give an interesting talk on "Chemistry of Blood" over Radio Station WATO at 9:15 o'clock Sunday night, February 18. The talk is the feature of the Headlines In Chemistry program, a 15-minute broadcast sponsored weekly by the East Tennessee Section of the American Chemical Society.

Dr. Bigelow will describe the chemical composition of blood and how and why blood is typed. He also will tell of collecting and processing blood for use as "whole blood" or blood derivatives.

The blood donor program of the Oak Ridge Chapter of the American Red Cross also will be outlined by Dr. Bigelow. This year-around activity of the Red Cross Chapter has been of great benefit to ill persons since its inception by providing needed blood or plasma in cases of emergencies and at a low cost to the user.

Roberta McCutcheon, of the Analytical Chemistry Division of Y-12; and Joseph Ruzicka, of the Atomic Energy Commission, will be co-hosts on the program.

A bright lad's description of a skeleton: "A skeleton is a bunch of bones with all the people scraped off."

Good Eating

Recipe Recommended By
Good Housekeeping Magazine

QUICK MEAT SAUCE

One tablespoon shortening. One-fourth pound ground beef. Two eight-ounce cans tomato sauce.

Heat shortening in skillet; brown meat in it, stirring with fork. Add tomato sauce and heat. Is nice on spaghetti. Makes two servings.

Suitcase of Atomic Fuel Seen Propelling Ship

The Manchester (England) Guardian reports that Sir A. Murray Stephen, in an address to the Institute of Marine Engineers in London recently, forecast the possibility of fuel for an atomic energy ship being "carried aboard, so to speak, in a suitcase." He said that if difficulties are overcome and costs become sufficiently low, atomic energy propulsion for ships have a distinct advantage.

FRENCH RED BOOED

The New York Daily News reports that Prof. Frederic Joliot-Curie, French atomic scientist and a Communist, was booed when he lectured recently at the College de France in Paris.